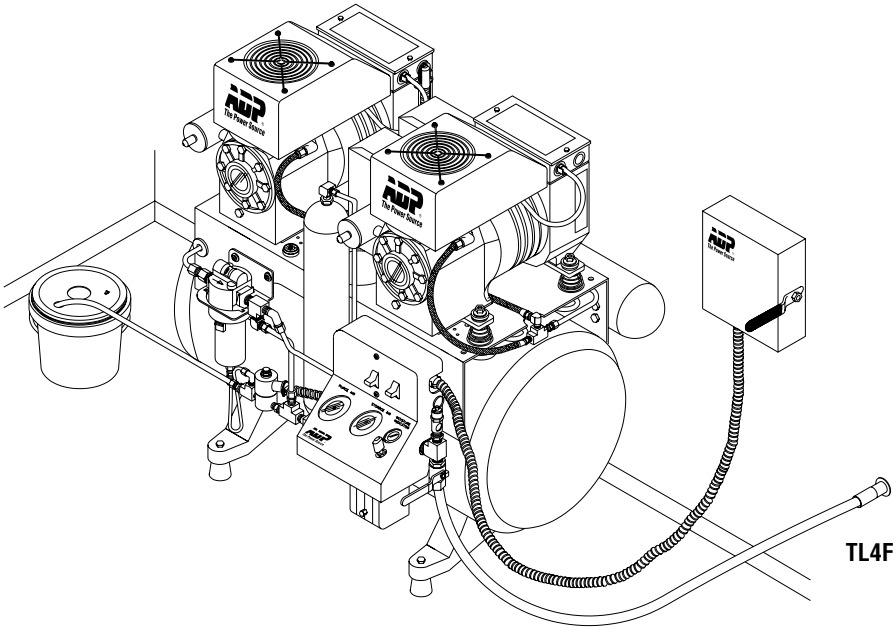
Installation Instructions

50 Hz - Lubricated Compressor



TL4F Model Shown

Description:

Apollo Dental Products Air Compressors have been tested and approved by various regulatory test agencies. The following list contains ADP File Numbers that may be helpful if questions arise regarding installation inspections.

Underwriter's Laboratories (UL) (cUL) ..... File Number: MH13627
Canadian Standards Association (CSA) ..... File Number: LR67041
U.S. Food and Drug Administration (FDA)..... File Number: 2937927

This dental compressor should only be installed by qualified personnel. Should any questions arise during the installation, call ADP Technical Support between the hours of 6:00 a.m. to 5:00 p.m. (Pacific Standard Time).

Installation:

Place the compressor in a clean, dry, well ventilated area, on a solid, level surface. Consider sound level and insulate as needed. Be sure adequete ventilation is available as the compressor is air cooled. Ambient temperature in the equipment room should be within the temperature range of 40 degrees Fahraheit (4^0 C) minimum to 100 degrees Fahraheit (38^0 C) maximum.

1. Remove cardboard shipping carton.
2. Remove compressor from shipping skid.
3. Remove installation kit attached to pallet. It should contain the following:

   (4) Rubber Feet (Not included on RL6F models)
   (1) Condensate Drain Canister Kit
   (1) Bottle of ADP Compressor Oil per motor
   (1) 2mm Flexible Hose

4. Loosen the two front self-locking nuts on motor mount studs, three full counter-clockwise turns.
5. Install isolation feet to tank legs.
6. Remove tag from spring-hinged oil filler cap(s).
7. Move compressor into place and level by observing bubble level on saddle.
8. Install flexible hose to office air supply line.
9. Install Condensate Drain Canister tubing to "tee" fitting below drying tower (Desiccant Models), or install 8mm poly-flow tubing from bottom of Ultrair Filter (Standard Models) for sewer drain connection.

10.Wiring Instructions:

(A) Using the open conduit connection provided on the juction box, connect field wiring: black wire to black pigtail wire and white wire to white pigtail wire. See Specification Chart below.

Recommended Wire & Breaker Size

Model	Voltage	Amperage	KVA	Recommended Breaker Size
Single Head Compressors				
ALC-SL1F	220	5.0	1.12	20
ALC-SL2F	220	6.4	1.40	20
Twin Head Compressors				
ALC-TL3F	220	10.0	2.20	20
ALC-TL4F	220	12.8	2.82	30
Triple Head Compressors				
ALC-RL6F	220	19.2	4.22	40

Start-Up:

1. Make sure the shut-off valve from the storage tank is closed.
2. Make sure the compressor is level (see step #7 on installation).
3. Turn power **"ON"**. Compressor should run quietly and the storage tank should begin to pressurize.
4. It is normal to hear a noise as compressor head pressure overcomes the storage tank pressure check valve.
5. The compressor will run until the storage tank gauge registers 7 bar. The compressor will then automatically shut-off by means of the preset pressure switch.
6. Using soapy water, check the compressor plumbing joints for leaks that may have arose during shipment.
7. Pressure test the office air system piping for leaks. Use the storage tank pressure gauge to monitor line pressure drop. Open the shut-off valve slowly and allow air to flow into the office air system. When the office air line has pressurized, after twenty to thirty seconds, note the storage pressure gauge reading. After ten minutes, check the storage tank gauge reading. If the storage pressure gauge registers a lower reading an air leak exists. Locate the leak(s) and repair.

Seal All Air Leaks!
Air Leaks Are The Main Cause Of Compressor Failures!

8. Be sure to complete and mail or fax in the warranty card for the compressor within ten (10) days of installation to effect warranty.

Warranty Information:

All ADP units are thoroughly inspected and tested in accordance with rigid specifications and standards. Our products are guaranteed against any defective material and workmanship from the date of shipment; provided, that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for complete air compressors or vacuum systems without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.